



Stoike oike

University Archives

TOIKE OIKE, TOIKE OIKE, OLLUM TE CHOLLUM TE CHAY
SCHOOL OF SCIENCE, SCHOOL OF SCIENCE, HURRAY, HURRAY, HURRAY

P81-0424.180

VOL. 55

THURSDAY, JAN. 10, 1963

No. 7

THE DEEP RIVER BOYS ARE RETURNING TO THE SKULE AT HOME



The Deep River Boys — one of North America's most popular vocal groups who electrified those present at the 1961 Skule At Home and who will entertain again this year.

Engineering Chariot Race

For the 25th year, the S.P.S. engineers will compete on front Campus for the Jerry P. Potts Trophy on Friday, Feb. 1st at 2:00 p.m.

It is the duty of each and

every engineer to support his course in this fabulous annual event.

For the uniformed freshman who still has not read his "Freshman Handbook",

the Chariot Races consist of a race once around front campus in or on a chariot built by the members of each course in Skule. Last year the winning course, Chemicals, utilized a greased oil drum on wheels bearing a small student inside. The Chariot Races are always one of the best events of the year. However, to build a really good chariot requires much time and energy. Therefore, you must start now! All class reps and club chairmen have a list of complete rules. If Skule is to send a winning entry to the World Championship Chariot Races, the winning entry in the Skule Race must be of high quality. So, especially you vigorous first year types, contact your class reps and get started building your chariot. Rough competition is expected from Waterloo, Queens and POTS in the W.C. Chariot Race. Start now, and remember—the best designed chariot will win the European trophy.

off.

The L.G.M.B. will, of course, make a stunning appearance. They are toying with the idea of attempting "The Bugler's Holiday", a virtuoso trumpet selection which is beyond the talents of all but the finest musicians.

Response from the various nurses' residences seems to be rather overwhelming, and it would be advisable to obtain advance tickets from the Engineering stores. Admission will be limited to about 500 people.

LADY GODIVA MEMORIAL BASH

Skule's own Lady Godiva Memorial Band is about to establish another first in Hart House on Saturday, Jan. 12, as they hold the only campus-wide hustling dance of the entire spring term, the Lady Godiva Memorial Bash.

The dance, more properly described as a party, will feature dancing from 9-12 interspersed with various types of entertainment. The Great Hall will be for dancing, while the East Common Room will be transformed into a den of iniquity by special lighting effect (like turning them all

Xkzlp's Byqqpxt Xmrsh
Qn JRN 25

Skule social activities are scheduled to hit a peak when Skulemen and their companions move into the Royal York Hotel for the annual Skule At-Home, which will take place on Friday, January 25. Proceedings get under way at 9:00 pm, and will continue until 2:00 pm. Tickets for this gala affair cost a mere \$3.50 and can be obtained from class reps.

Jack Denton and his orchestra will be featured in the Canadian Room from 9:00 to 1:00 pm., and twisting will commence at midnight in the Ontario Room and will continue until 2:00 pm.

The Deep River Boys, one of the most spirited, enthusiastic singing groups on the continent, will provide the half-time entertainment. The Deep River Boys have entertained Queen Elizabeth, Prince Philip, and Princess Margaret at a Command Performance at the London Palladium. They also performed for President Eisenhower at a White House dinner. Two years ago, they were the stars of the At Home, and this year they are back.

Not only will the At-Home feature the best in entertainment, but the \$3.50 price includes a free corsage and a favour as well. There will also be a free room given to every class (small classes will be combined within their club) that sells tickets to more than 50% of its members. This room can be used for a class party, or for any other purpose that the class can think of.

For the benefit of people who were out of town during the summer, it should be noted that people who enter the Royal Hotel are no longer regarded as strike-breakers. Also the last Grey Cup celebrant left with the fog.

2ND ANNUAL

World Championship Chariot Race

The Blue and White Winter Carnival will feature, as its main attraction, the 2nd Running of the Annual World Championship Chariot Race. To start at precisely 2:00 p.m. on February 2nd, 1963, the gala saga will feature The Skule Champion Chariot as challenged champion pitted against chariots from such great institutions as University College, Meds, Dents and many out of town universities. Due to the significance of the event, we expect that publicity coverage of the races will reach an unequalled polyunsaturated maximum. C.B.C. is sending their crack Brownie 8 mm Cinemascope team to record the event; Life Maga-

zine plans to use their world-famous photographic ensemble of Cjon Mili, Margaret Margaret Bourke-White and George Eastman to immortalize the race on celluloid. The Varsity may send VSP Brooks if he finishes covering the Trinity Art Lectures in time.

It is the duty of all Skulemen to turn out as horses and blockers; the Skule entry will be the winner of the 25th Annual Engineering Chariot Races to be held the day before (Feb. 1st) at 1:00 p.m.

Other exciting Winter Carnival events are the Ice Show in Varsity Arena and the conflagration of the SAC Building as a prelude to the torchlight parade.

TOIKE OIKE

Devoted to the interests of the undergraduates of the Faculty of Applied Science and Engineering. Published every now and then by the Engineering Society of the University of Toronto. Opinions expressed are not necessarily those of the Engineering Society or its officers.

Editor	J. F. Lyons
Business Manager	Stan Gasner
Features Editor	Raly Ridler
Madness Editors D.M.Q. Mantra and L.R.X. Morris	
Photography	Wayne Knapp
News Editor	Dave Kerfoot
Publicity Editor	Keith Stait-Gardner
Sports Editor	Dave Stickney

THIS ISSUE: Approaching the halls of Engineeringland one could easily be intrigued by the clam-clamps of Norm Fisher's hammer; the cliché-claque-clap of Bev Powell's and Clara Hayward's typewriters; the tickety-tick of Steve Wilson's, Hank Vesara's; Gary Craig's and Marvin Mandelbaum's thinking machine; the silence of Vic Riley and Dan Corliss (who aren't even here); and the chuckling of Dave Robinson and Pete Stern.

Where Will It All End?

At an Engineering Society Executive meeting on November 27, 1962 the Executive Committee was paid a visit by the social director of New College. She came to encourage closer relations between Engineering and New College.

Dave Robinson, First Vice-President of the Engineering Society, then suggested the formation of a Quadruple Alliance consisting of Nursing, Engineering, New College and POTs. The purpose of such an Alliance would be to co-ordinate tea-dances, toboggan parties, firesides and other bruhahas with the aim of promoting events of common interest. Since the Executive Committee had the foresight to see that the graduate engineer must enter into and maintain a position in society that requires him to meet and work with people who are not necessarily equipped with a technical background in order to promote a successful career, it welcomed the Alliance with open arms and appointed Dave Robinson as its delegate.

However, we feel that we should warn that serious thought should be given to this Alliance before any final plans are made, for there is no telling how far the whole idea may go. In view of the obvious advantages of joining, the Alliance may become sort of like the Common Market and everybody will want in. First UC, Pharmacy and Forestry will seek admission, the Vic, Architecture and maybe even St. Mikes. Or worst of all possible evils, we may have to admit Meds and Trinity. Thus what started out as basically a good idea may degenerate into a campus-wide activity.

After that there is no telling where it might end. Newer members of the alliance will demand representation and eventually it will become necessary to establish a governing body, which for the sake of argument we might call the Students' Administrative Council and an extension of the Brute Force Committee, which we might call the Blue and White Society (blue for the blood of its members and white for the purity of their intentions).

The upshot of all this Alliance staggers the imagination. Engineering might even become part of a university (which might be called the University of Toronto, since Engineering, UC, New College, Nursing and all the others seem to be located in the same general area in downtown Toronto). This university might even be like those institutions of higher education in the United States and Britain, where people aren't particularly concerned with another person's religion, background or course of study. The Lady Godiva Memorial Band would inevitably be replaced by some outfit that might be called the Blue and White Band. Engineers would stop cheering for Skule at football games and start cheering for this hypothetical University of Toronto.

As anyone can see the Quadruple Alliance is a threat to Skule spirit. It can only lead to a situation where engineers will continue to yell about what great guys they are, but will be surrounded with people that will contradict them. The threat of submergence of Skule spirit in a University cannot be over-emphasized.

We strongly urge the Engineering Society to withdraw from the Quadruple Alliance before it is too late.

NOMINATIONS

Nominations for the elected positions detailed elsewhere in this issue will be received in the Engineering Stores on February 8 and 11. Forms are available in the stores. Nominations must be seconded and a small picture of the candidate should be submitted for posting outside the stores. Rules for campaigning are also available in the stores.

IT'S FREE

(BUT THERE'S A CATCH)

Today at 1:00 p.m. in Room T-102 a free show for engineers is being held, as a diabolical plot to get ticket sales for the Skule At Home and the Lady Godiva Memorial Bash.

The catch is that you need an At Home ticket to get in, but this can cleverly be evaded. Just ask your class rep for one ("I'll pay you later") and calmly return it to him after the show (clever, wot?)

The show will star Hope Diamond from the Monopolistic Victory Theatre, who will be accompanied by the Lady Godiva Memorial Band as she demurely doesn't strip.

The Concord Twisters from Toronto's Concord Tavern will also be there, and they will show to what heights (or depths) of depravity the twist has progressed, again to the accompaniment of our own LGMB.

A brief appearance by the Heritage Singers, stars of Skule Nite, should bring down the house.

The Band can be expected to play a few of their more famous selections, and maybe even a few surprises.

The whole deal will probably surpass the Share Auction action for sheer spectacle, and if Ogre can be eliminated a few people might get in!

All in all, a cunning array of stunts.

CARNIVAL WINTER

This year, as last year, Skule is building the ice palace for the winter carnival. A design contest is being held by the Blue & White Society, and it would be appropriate if Skule was to design the building. Engineers are urged to submit their designs to Dave Sefton at the SAC office.

Skule also will be entering the ice sculpture contest. Designs for this are being received by the Director of Publicity and Publications in the Engineering Stores.

BRAIN TWISTERS

(1) Joe Skule desires to play chess against two friends, Arthur Artamen and Michael Medsman. He has to play 3 games, playing either Arthur — Michael — Arthur or Michael — Arthur — Michael in that order. To win his bet he must win 2 out of three games. If Michael is a stronger player than Arthur which sequence should Joe choose to maximize his chances of winning.

(2) Prove that if two opposite corners of a chessboard are cut out, it is impossible to cover the remainder of the chessboard with dominoes each of which can cover two squares.

(3) Find the volume common to two cylinders of unit radius which intersect at right angles *without using calculus*.

All of the above problems can be solved *mathematically*. The persons submitting the best answers will have their names published in the next Toike Oike.

1963 GRADUATES in

Mechanical, Chemical and Electrical Engineering

REQUIRED BY

CONSOLIDATED PAPER CORPORATION LTD.

All mills located in the Prov. of Que., at Three Rivers, Shawinigan, Grand'Mere and Port Alfred. All usual benefits (group life, pension etc.) and an unusually attractive Company medical plan which is integrated with the Blue Cross and the New Quebec Hospital Insurance Plan.

Salary increases on individual merit basis.

Frank Johnson, Manager of Personnel, from the Montreal Head Office will interview at the University on Thursday, January 17th, 1963.

STANDARD CHEMICAL

LIMITED

WILL INTERVIEW

GRADUATING ENGINEERS

DURING

THE THREE DAY PROGRAM

This caustic-chlorine, sodium chlorate manufacturing plant, a subsidiary of Pittsburgh Plate Glass Co. is located at Beauharnois, Quebec, approximately 25 miles southwest of Montreal.

Our interviewer is interested in talking with Engineering (Chemical, Mechanical) seniors concerning career opportunities for possible employment with the Company.

Our starting rates fringe benefits are comparable to those of other companies.

If you desire an interview, please register in ROOM 105, GALTBRATH BLDG., today.

B. R. Willett,
Manager of Operations

The Steel Company of Canada, Ltd.

REPRESENTATIVES WILL BE IN THE
UNIVERSITY PLACEMENT OFFICE
ON

JANUARY 17 - 18 - 19

TO INTERVIEW ENGINEERING STUDENTS
FOR PERMANENT EMPLOYMENT

SKULE TO ELECT EXECS. NOMINATIONS, ELECTIONS

Nominations for elected positions on the Engineering Society Executive will be held on Friday, February 8 and Monday, February 11, Engineering Society President Vic Riley announced today. Voting will take place February 15.

To help prospective candidates the Toike Oike presents a list of positions available and the tasks that each candidate involves. For further information see the present occupant of the position.

President — The President is the chairman of the Executive Committee, which is the student government for the Engineering Society. He is responsible for general correspondence and for liaison between the Society and the Faculty. In addition he oversees all Engineering activities. To do a proper job the president does not have time to enter into other extra-curricular activities. He must be in fourth year.

First Vice-President — The first vice-president is in charge of major social functions, such as the Cannon Ball, the Skule Dinner, and the Skule At-Home. He is chairman of the Float Parade committee as well.

Second Vice-President — The second vice-president is charged with the responsibility of running one of the Engineering Society's major sources of revenues, the Engineering Stores. Besides being in charge of the policy and the operation of the stores, he also manages the personnel, hiring, firing, and setting salaries with the president and treasurer. This position offers a good chance to pick up managerial experience. He is elected from third year.

Secretary — The secretary's consist of taking, writing, and publishing the minutes of the Society's meetings. He is from second year.

Treasurer — The treasurer oversees all financial transactions of the Society. He presents a tentative budget at the beginning of the year, a revised budget at Christmas, and a final financial statement at the year's end. He authorizes all cheques, and is in charge of bookkeeping and financial accounts. He also serves as treasurer on many sub-committees. He is elected from third year.

Director of Publicity and Publications — For the first time in Engineering Society records the man who fills this position will be elected from third, or fourth year. He has charge of publicity for all engineering activities, and is responsible for the activities of the Lady Godiva Memorial Band, the Toike Oike, etc.

SAC Representative — These two gentlemen hold the dual roles of representing the Students' Administrative Council of the Executive Committee and representing the Engineering Society on SAC. They serve as chairmen of SAC

committees and work on projects sponsored by SAC. Two are elected, one from third year and one from fourth year.

Director of Professional Relations — The DPR acts as a liaison between the Engineering Society and the professional organizations, such as APEO, ASME, EIC, AIEE, etc. He is elected from fourth year.

External Affairs Representative — The external affairs representatives are Skule's representatives to the World University Service and the National Federation of Canadian University Students. They also organize the Share campaign and the blood drive. One

is elected from third year and the other from fourth year.

Debates Club Chairman — The chairman of the Debates Club organizes and chairs noon - hour debates, selects speakers for debates with other faculties, and represents Engineering on the University of Toronto Debating Society. He can be a member of either third or fourth year.

4th Year President — He is responsible for all functions pertaining to the graduating year, such as the Grad Ball, grad photos, and the Kipling Ritual, etc. He is aided by a vice-president, and a secretary-treasurer. All are elected from fourth year.

Year Presidents — These

men each chair one General Meeting of the Engineering Society and serve on various subcommittees. They are elected by their respective years.

Club Chairman — A Club Chairman is elected from each club in the Faculty. As a member of the Executive Committee he serves on Society committees, reports on Society and campus functions to his class, and organizes a freshman induction tour of his department. As club chairman he organizes his own executive, and with them is responsible for club functions, such as smokers, dances and field trips. He also acts as a mediator between the students and the department staff.

FREE BROADS

The Engineer's Date Bureau has come through again with the finest selection of choice beauties for the At Home.

The Engineer simply has to pick up his "Application for A Honey" at the Stores Jan. 10, 11 and return it by Jan. 14 to take advantage of this selfless service.

The bureau believes on behalf of skulen in the principle of love for his fellow man and will attempt to uphold this fine tradition.

Motorists!

Intercollegiate Car Rally held in conjunction with Queen's Winter Carnival Weekend is open to all interested engineers. For information contact Ross Eddie at 277-0265 or leave message with Janet in-tors.

Career opportunities for graduates in chemistry, chemical, mechanical and electrical engineering and engineering physics

the company: Canadian Chemical Company, Limited—producer and world supplier of organic chemicals, cellulose acetate flake and acetate yarns, fibres and staple.

the location: Edmonton, Alberta, where three plants occupy a 430-acre site. One plant produces chemicals; alcohol, ester and ketone solvents, acetic acid, glycols, pentaerythritol, formaldehyde and other organics. Another produces cellulose acetate flake. The third makes Arnel® yarns and fibres. Sales offices are in Montreal, Toronto and Vancouver.

the advantages: Wide-open opportunity for advancement, not only in the usual sense but in sound professional growth through varied, interesting and challenging experience in a fully integrated operation. This diversity is important—to you, because it makes your work more interesting and multiplies your opportunities—and to us, because it helps us bring up senior people fully experienced in our business.

the careers: Exciting work in any of a number of completely new fields. As a qualified chemist or engineer, you may work on research, product development, process engineering, plant

design, construction, or some important phase of production. As a chemist or chemical engineer, you may elect a career in sales or technical service.

the future: The facts, the record and the operations of our Edmonton plants all testify that this is a young, progressive, rapidly growing Canadian firm with world-wide affiliations and a bright future. Our engineering department is one of the largest and most diversified in Canada.

Our markets are world-wide. Through our affiliates, we are strongly allied with leading companies in the textile, chemical and plastics industries. And our raw materials are basic Canadian natural resources—petroleum by-products from Alberta and cellulose from British Columbia forests.

the details: Probably you will want to know a great deal more about our policies, methods and operations before discussing your future with us. We shall be glad to send you booklets and detailed information. Just write to Department A, 1155 Dorchester Blvd. West, Montreal—or to The Personnel Department, Canadian Chemical Company, Limited, P.O. Box 99, Edmonton, Alberta.

REPRESENTATIVES OF THE COMPANY
WILL VISIT THIS CAMPUS

JANUARY 17th & 19th

SERVES THE CHEMICAL WORLD!



CANADIAN CHEMICAL COMPANY, LIMITED

Montreal • Toronto • Edmonton • Vancouver

GROUP CAPTAIN G. R. TRUEMMER, AFC, CD

Group Captain G. R. Truemmer will be visiting the University of Toronto on Jan. 17th & 18th. to interview undergraduates inquiring about permanent employment as an officer in one of the interesting engineering, executive or flying branches of the Air Force.

Group Captain G. R. Truemmer, AFC, CD of Ottawa, Director of Personnel Man-



ning at Air Force Headquarters, was born at Arthur, Ont. in 1920. A graduate of the Arthur High School he joined the RCAF in 1940.

G/C Truemmer took his pilot training at Virden and Dauphin, Man. After receiving his wings, he became a flying instructor and during the Second World War served in instructional and supervisory capacities with flying

schools at Herkville, Kingston and Trenton, Ont. In 1946 he was transferred to RCAF Station Toronto where he was Chief Administrative Officer until his transfer in October, 1947 to the staff of the School of Service Management at Trenton, Ont.

After completing the RCAF Staff College until September 1954. During this period G/C Truemmer also attended the USAF Air-Ground Operations School in North Carolina and the University of Western Ontario for a summer course in management.

Following his tour at Staff College G/C Truemmer was appointed Officer Commanding, 1 Flying School at Centralia, Ont., a position he held until the fall of 1958 when he was posted to the National Defence College at Kingston.

Upon graduation from National Defence College G/C Truemmer was transferred to Ottawa to assume his present position at AFHQ.

**chemical club**

Thursday, January 17 is the big night for Chemical Engineering. Once again the Chemical Club has organized a bash with the nurses! The dance features a thrilling turtle race unequalled for thrills and high speeds by Mosport's 500. Each hospital will enter their own turtle. The highlight of the dance is the choosing of Miss Chemical Engineering in the beauty contest.

The dance will be held at the Legion Hall on College Street. (See your class rep for tickets).

mech. club

The Mechanical Club meeting is to be held in the near future. (There will be a notice posted to announce the date). There will be discussions on topics of interest to all especially to those in third and fourth year, by students and professors alike. Refreshments will be served.

The Mechanical Hockey Tournament will be held again this year. All four years will form teams and play off for the championship. All spectators will witness inspired hockey — first prize is booze.

Notice to first-year Mechanical Students. All those who are interested in retaining the lunch hour study sessions are asked to pass their comments along to their class reps.

records here

Don Monroe, erstwhile leader of the LGMB and recording magnate has announced that, as a 21st birthday present to himself, the people who or-

dered records may pick them up today at the stores.

eng. phys

Dancing to the swinging five-piece band of Ken Warburton in the French cafe atmosphere of Larry's Hideaway is the feature of the Engineering Physics Club's annual Physical Frolic. Good food is available to all those who want to make an evening of dining and dancing. Dancing starts at 8:30 and swings through till midnight, Saturday, January 19th. Parking facilities are available on Larry's private parking lot. All this for a cheap two bucks. (Tickets can be obtained from class reps.) This is a dance that no Eng. Phys. should miss!

debates

The Engineering debates club will be holding debates every Monday starting Jan. 14 in T-102 o'clock. To start off the new year Bill Cass and Dave Jefferson will debate "Advertising Is Evil" with the graduate School of Business. The year's agenda includes debates with S.C.M., New College, and St. Michael's College.

On Tues., Jan. 15 there will be an additional debate with Household Science re "The Practical Advantages of Engineering are greater than those of Household Science" held in the Household Building.

This space reserved for a do-it-yourself article. — So write one already!

NOW HAS OPENINGS IN ENGINEERING, EXECUTIVE AND FLYING BRANCHES FOR UNIVERSITY GRADUATES

An RCAF Personnel Officer Will Visit Your Campus On **JAN. 17 and 18 TO INTERVIEW**

all final year undergraduates interested in permanent employment as an officer in the Air Force

BRANCHES NOW OPEN IN THE RCAF

AIRCREW — Pilot or Radio Navigator (consideration given to all degrees)

TECHNICAL — Aeronautical Engineering * Construction Engineering * Telecommunications * Armament * Mobile Support * Equipment * Photography * (Consideration given to a degree in pure or applied science)

NON-TECHNICAL — Medical * Accounts * Supply * Legal * Welfare * Air Traffic Control * Communications * Public Information * (applicable degrees required except in Administration and Air Traffic Control where all degrees are given consideration)

NOTE: Opening for WOMEN in Nursing (Registered Nurse), Food Services (Household Science or Home Economics graduates) and Administration (consideration given to all degrees)

SOME ADVANTAGES.

- * STARTING SALARIES OF \$5,000 TO \$6,000 PER YEAR
- * CONTINUOUS AND INTERESTING EMPLOYMENT WITH MOST MODERN EQUIPMENT
- * OUTSTANDING PENSION PLAN
- * FREE MEDICAL AND DENTAL CARE
- * FOUR WEEKS ANNUAL HOLIDAY WITH PAY
- * OPPORTUNITY TO TRAVEL
- * SHORT TERM OR PERMANENT OFFICER COMMISSIONS AVAILABLE

Appointments for interview may be made as follows: Engineering and Science, Room 105, Galbraith Bldg. Arts, SBI Spadina Avenue.

MAF 26-62

ROYAL CANADIAN AIR FORCE

CAREERS FOR MEN

IN

SPECIALITY STEEL MAKING

With The North American Division of a Company That:

- ★ Has annual sales of approximately \$60,000,000 and is the largest in the field in Canada.
- ★ Has pioneered manufacturing processes for the industry on this continent . . . hot planetary rolling, continuous casting . . .
- ★ Has a full-scale marketing division with six warehouses in key locations across Canada.
- ★ Has an international division with representation, or facilities, in most countries of the free world.
- ★ Has plants in Welland, Ontario and Tracy, Quebec, employing approximately 3,000.

AT

ATLAS STEELS LIMITED

A MANAGEMENT TEAM FROM ATLAS WILL VISIT YOUR CAMPUS
JANUARY 17 & 18 SEEKING GRADUATES FOR CAREERS IN

METALLURGY
PRODUCTION
MARKETING
ENGINEERING AND MAINTENANCE
RESEARCH AND DEVELOPMENT

See Your Placement Officer Or Contact Atlas Directly For Complete Details. The Solarized Personnel Manager, Atlas Steels Limited, Welland, Ontario

How to Get a JOB!

In a few more days, you will meet employers face to face. These men are the living representatives of the great industrial complexes that we have known by their advertising or their products. There will be approximately three hundred individual company representatives around the engineering buildings on January 17, 18, 19. What sort of people are they?

Perhaps there is no one characteristic common to all of them. They come from all levels of administration. In fact this is one of the great advantages of inviting them to come to the campus as our guests. You, the graduating class, have an opportunity to meet men who are actually working in the areas of the company where you will eventually spend a great many of your waking hours. Sometimes the General Manager himself comes down to the interview. Sometimes, especially if it is trained to find out where you, as an individual, will be happiest and most productive. Interviewers are human. Some of them are very good at their job. You may meet the occasional individual who is incompetent. Some of them have been graduated for many years and working in their profession. Some of them may be men that you know from last year's class.

We have arranged for you to have twenty-five minutes with each of the companies that you have selected. How do you make the most of the opportunity you will have to see them? What is it that makes the difference between receiving that important letter with an industrial letter-head telling you in February that they would be pleased to have you join their organization, and the other kind of letter that tells you that although you have the general qualifications that they are looking for, they have been able to find someone else at Toronto, or McGill or Queen's or elsewhere who is just a bit better for the position that they have in mind?

In the first place, it is impossible to make a base hit every time up to bat. It would be a monotonous world to live in if everyone wanted the same things. And companies have as many likes and dislikes as individuals. But your batting average can be better than that of your competition from the other universities.

Right at the beginning of the interview, start your good impression with a carefully filled out application form or personal information sheet. We cannot vouch for the company-type form, but we do know that the one devised by the University has been made as compact and as useful as possible after many revisions and consultations with industry. At least, answer the questions carefully and honestly. And if you cannot write legibly show the interviewer that you got something out of draughting it. If you can put your hand on some small inexpensive snapshots, stick one in the corner of the form. It does wonders in making your application stand out from

among the 125 others the company has collected so far. And a weary interviewer after three days and 54 Toronto interviews may possibly not recall you from your name alone. As a suggestion, head and shoulders pictures showing the face are preferable to the one that shows you on the beach with the girl friend last summer. The interviewer may be interested, but after all, he is only allowed to hire one of you.

So you have arrived a minute ahead of time, with your good suit on, and you are on your way into the room at last. You will be pleasantly surprised to find that the interviewer is genuinely glad to see you. He is getting a first impression of you as a person, so be natural and at ease. He will open the conversation and you shouldn't be more than a minute or so getting acquainted. The next fifteen minutes are the important ones.

Your company representative can reasonably expect that you are quite familiar with the information that he has sent to the University for us to put into the folder in your library. He believes that you are interested enough in trying to get a job with his company to do some research into the sort of place it is, its philosophies and its employee plans. To be sure, not every company gives you a full description of itself in advance. We are gradually educating them in that. But — and this is one of the keys to remember in your interview — you must be acquainted with what they have sent out for your information. With that as a basis, he can help you to see yourself in the sort of openings that they have at the moment, and that they will have forty years from now. This library of information that we have set up for you on every company coming on campus is the one thing that gives you an advantage over every other uni

(continued on page 6)

Indirect Current Revealed

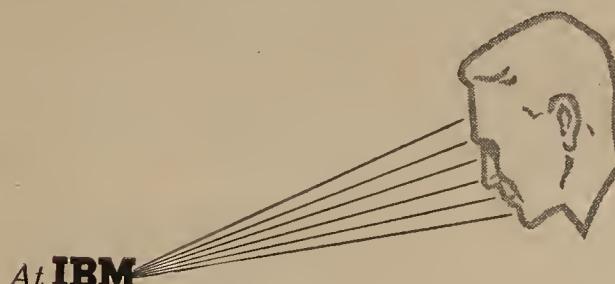
Dr. Archibald van Heinrich Schmidt, writing in the December 62 issue of Scientific American, stated together with his colleagues at McZorkness Laboratories at the University of Vienna, has discovered a new type of electricity, indirect current.

It is stated Dr. van Heinrich Schmidt, analogous to water in a plumbing system.

You do not have to have a return system for the water so why have two wires to distribute electricity? The main feature of indirect current is that all energy given out is absorbed in the load. For instance, if you have a machine that requires 5000 watts of electricity and the wire dissipates 20 watts, you simply set your source to de-

liver 5020 watts of electricity. Just as the water coming out of a hose is all used up, this electricity is consumed and no return wire is needed. This discovery will enable the hydro to distribute twice as much electricity over the system they now use.

It is expected that Dr. Van Heinrich-Schmidt will win the 1963 Nobel Prize in Physics. You may recall that Dr. S. Fried Norsond, inventor of the Infrasizer, won the coveted prize this year.



At IBM

a Chance to Focus all Your Talents

If you have a keen, analytical mind, you can make full use of your talents and abilities at IBM. Here you can consult with men of proven ability; you will find freedom of expression and freedom to carry out your ideas with a minimum of supervision.

Your education continues at professional levels as you study advanced data processing methods. You learn to understand customer problems and develop solutions to them. You finally have the immense satisfac-

tion of seeing your ideas in operation as a working system. Assignments are varied and fascinating.

As a Systems Engineer your contact with customers is at top-level management and your associates at IBM are men of high professional standing.

A Bachelor's or Master's degree is essential.

For further information about a career as a Systems Engineer at IBM, write to the executive named below.

INTERNATIONAL BUSINESS MACHINES COMPANY LIMITED
36 King Street East, Toronto, 362-6051
Central District Manager — K. S. Moeser

IBM.

*Trade Mark

THE PROCTER & GAMBLE COMPANY OF CANADA, LIMITED

HAMILTON and TORONTO, ONTARIO

POINTE CLAIRE, P.Q.

has management positions open in

Product Research

Process Development

Production Supervision

Quality Control

Project Engineering

Maintenance Engineering

Packaging Development

Industrial Engineering

Purchasing, Sales, Forecasting, Systems

Company representatives will be present for campus

INTERVIEWS January 17, 18, 19

Separate interviewers will be present to discuss the last four areas mentioned

HOW TO GET A JOB!

(continued from page 5)

versity in Canada.

It is quite in order to ask the interviewer when you may hear from his company. Some of them may leave the final decision until they have had an opportunity to invite the most likely candidates down to see the plant. Some may want to have a fuller form of application completed and sent along to them after the interview. Remember that many of the companies have yet to see some of the major universities in Canada, and they cannot give a decision until after a few more weeks. Others may have a quota for Toronto alone, and may go to the extent of giving you an offer right on the spot. When that happens, don't be afraid to ask for a week or so to decide, if you think you may have another opportunity to choose from. Of course, if that offer is exactly what you have been looking for, snap it up and forget about jobs until you have written off your final examinations with honours.

Do not waste time trying to find out if the company has very few or very many openings. The averages are always the same in your fav-

our; for a firm that has a hundred opportunities will probably arrange to see a thousand applicants across Canada, while the one that has two jobs may be satisfied to spend one day talking to eighteen men at Toronto only.

Before you take the interview, though, it is well to examine your own requirements objectively. Ontario may be the greatest province in Canada, but University of Toronto graduates are living and working quite happily in the other nine. Is your reason for wanting to stay in Ontario, or even more restrictively in Metropolitan Toronto, really valid? And even when you are certain that it is, try asking the reason yourself. Again, does the product itself mean so much when the company is asking you to use your technical skill to meet engineering challenges that exist whether the end product is toilet paper or jet aircraft? Or, you may argue the relative merits of large and small companies as long as you like. In the last analysis, it is the man who can do the job and can integrate himself with those with whom he works who will succeed in either type of concern.

The Grad Ball will be held at the Royal York on Feb. 28, 1963. It will be a smasher, never to be forgotten by your Grad Skulemen, the Royal York elevator operators and the complete imbibers.

This year an instalment system of ticket payment is employed. The cost of \$17 — per couple is split into 3 payments of \$5, \$7 and \$5, the second instalment being collected this week till Friday, Jan. 11 and the 3rd instalment Feb. 11 — Feb. 15. After the final payment you will receive your ticket, make your table reservation and your girl will receive an invitation. Any payment can be refunded. Payments are made to the Club Chairmen.

Here is a short resume (very short) of what you can expect. The price includes a fabulous dinner for two with candlelight, wine and soft dinner music. Once the tables are rolled away, Benny Louis is going to swing till 3 a.m. (that's right 3 a.m.). Added attractions will be early morning jazz a la Peter Appleyard, who wowed them at last year's Ball, and half time entertainment, and (n-1) parties at the Hotel's 1.6 x 1000 rooms. Other features, actually too

numerous to mention, are favours obtained from Oriental merchants (we hi-jacked a caravan) and programmes executed by skilled native craftsmen (the same ones who manufacture license plates).

The instalment plan is for you so that smaller payments will lessen your load. Don't miss your one opportunity to attend your Grad Ball. In short, you can't afford to miss the Grad Ball.

A LETTER

Dear Sir;

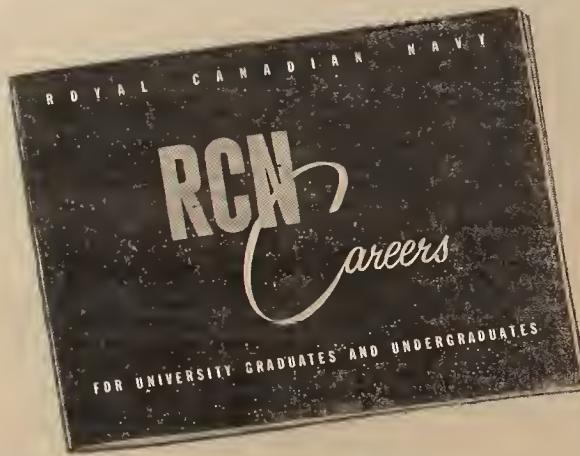
This year our stores have enjoyed unprecedented success which was largely made possible through the efforts of John Adam and Sharon Agnew. These two individuals should be commended for their unselfish contributions to Skule.

Both Sharon and John have worked long hours to re-organize the stores by the setting up of filing and cataloging facilities, expanding the range of items available, and reducing ordering times. In addition to her office duties, Sharon contributed much to the success of the Cannonball through her activities on that committee.

Yet ironically, these two people have been alienated by the executive and their valuable services lost. This is certainly no way to treat such devoted people especially when the stores are the financial backbone of Skule activities.

I therefore ask you as editor of the "Toike Oike" to spearhead an investigation into these abuses in hope that further purgings may be prevented. Publication of the results would be beneficial to the electors in choosing candidates in the upcoming elections.

Respectfully,
W. Gary Craig,
III Civil.



Naval councillor will be on campus from 1:00 p.m. to 6:00 p.m. on Jan. 18th for interviewing Engineering graduates interested in Naval Careers.

Arrange interview time in Room 105 Galbraith Bldg. Today.

Royal Canadian Engineers

have one vacancy available in

Canadian Officer's Training Corps**PART TIME WINTER TRAINING
FULL SUMMER EMPLOYMENT**

SEE: Resident Staff Officer

119 St. George St.

GRADUATING (MAYBE)?

numerous to mention, are favours obtained from Oriental merchants (we hi-jacked a caravan) and programmes executed by skilled native craftsmen (the same ones who manufacture license plates).

The instalment plan is for you so that smaller payments will lessen your load. Don't miss your one opportunity to attend your Grad Ball. In short, you can't afford to miss the Grad Ball.

Montreal Is Waiting

Ecole Polytechnique will challenge Skule in Chariot race, on Feb 1 and 2 twenty University of Montreal engineers will be frosted by Skulemen as part of an exchange weekend. The Polytechniques will take part in Saturday's World Championship Chariot Race which has always been won by Skule. Dave Jefferson, exchange chairman, reports that there are still openings for more Skulemen in the exchange. Cost is \$15.00 which includes transportation to Montreal, accommodation and other expenses. If interested fill out an application in the stores today. Deadline is Jan 18. Phone Dave Jefferson RU 3-0391 for further information!

*Compliments of***ELM GRILL**

COLLEGE AT McCUAUL

• Walnut 1-2141

Hotel Waverley Ltd.Home of the Silver Dollar Room
Nightly EntertainmentM. LUNDY
MANAGER484 Spadina Ave.
AT COLLEGE TORONTO

FOLK MUSIC '63

JANUARY 25th
PETE SEEGER SINGS
AMERICA'S FOREMOST FOLK SINGER

MARCH 15th
The TRAVELLERS
CANADA'S FAMOUS FOLKSONG QUARTET FRESH FROM THEIR GREAT SUCCESS IN THE SOVIET UNION

APRIL 27th
LESTER FLATT & EARL SCRUGGS
AND THE FOGGY MOUNTAIN BOYS
with guest star MERLE TRAVIS
"THE BEST IN BLUEGRASS AND COUNTRY MUSIC"

MASSEY HALL ALL CONCERTS EACH \$3.50 \$2.50 \$1.50
OR SERIES TICKETS \$9.00 \$6.50 \$4.00
BEND STAMPED SELF-ADDRESSDED ENVELOPE. CHEQUE PAYABLE TO CONCERT ADMISSIONS LTD., 130 CARLTON ST., TORONTO 2
THE BEST GIFT — WA. 2-3163

Skule's representatives in the senior loop this year seem headed for a great season. Observer's agree the team has good potential up front in the person of Bill Cass and Grant Lieshman, and the rearguard is superb with Barry Davidson, late of the Blues, and Wes Saunders handling the chore. With the season barely under way the Sr's. sport 1-1 record composed of a 13 point win against Law and a 71-41 loss to St. M. With 6 games left in the season, the team seems ready to win consistently.

The future of Jr. Skule B-ball also looks rosy. With sev-

eral bright stars on the team and good balance, the only things standing between them and the title seem to be a lack of team unity, and a second top-flight guard. Andy Pastor has been outstanding in the backcourt for the Jr.'s as Jim Metcalf and Al Deas have been in the scoring dept. The team has a 2-1 record in league action so far, having trounced St. Mike's B's and taken Vic by 1 pt. in overtime. The team's only loss was a 45-34 squeaker in the opening game to Meds. The team seems to improve every outing as the frosh jell together as a unit.

john's jottings

by JOHN BELL

THE SECOND TERM

With x-mas exams over we now have time to get things rolling in the Spring term before we suddenly take stock of ourselves and realize that its time to really get down to the work of the last five months.

One of the big events of the Engineering Society this term is the Lady Godiva Memorial Bash in Hart House this Saturday night. Billed as the only stag or drag dance of the spring, with nurses supplied, this officer should give everyone a chance to latch on to a honey for the At-Home on Jan. 25 at the Royal York. This year's At-Home looks like an even greater dance than it was last year. Janet promises to get special favours for all your girls. Get your tickets now from your class rep.

The Winter Carnival weekend is dated for Feb. 1-3 and it looks like fun again with all activities centred about the ice-palace on center campus.

ELECTIONS

However, the biggest event of February for the Engineering Society as a whole will be the annual election of a new executive on Friday Feb. 15th. Nominations open Friday, Feb. 8th and close at 5 p.m. on Monday Feb. 11. Nomination forms and election regulations will be available in the Engineering Store.

It would be virtually impossible to list all the advantages of running for and holding office. It should be stressed though, that the opportunity for such experience is one that seldom will cross our path in life. It is not an opportunity to be missed.

If you remember the challenging job of the design and construction of the ice palace was taken on by the engineers last year and proved to be such a success that we are doing it again. Construction will take place Jan. 28 and 29, so come out and lend a hand.

Also over the same weekend the Engineering Society will play host to a delegation of students from Ecole Polytechnique of the University of Montreal in the first Engineering sponsored exchange on campus. Anyone have a name for this exchange?

The Grad-Ball for all fourth year men is being held Feb. 28th also at the Royal York. This event, the culmination of social activities over the last four years, is a must for all graduating. Anyone wishing to get in on the installation plant for tickets can do so with the second payment by seeing his club chairman.

THE STUDENT VOICE:

Once again the Engineering Society Executive has taken up the cry for an Engineering Cafeteria. The approach this time, however, is far more imaginative than that taken by past executives. The newest plan calls for an Engineering Center, suggested for either the basement of the Electrical Building or the Old Physics Building, combining of the Engineering Society Offices, the Engineering Store, a cafeteria, and a lunch room which would also serve as a center for such activities as Float Parade construction. Skule-Nite rehearsals and L.G.M.B. rehearsals. This plan is constructive and although it would involve a significant capital expense, the savings on rental of accommodation and the revenue from the cafeteria would make it a wise investment for the Society. Let us hope that the committee comprised of third year students on this year's executive carries it through and that they receive the fullest co-operation of the university authorities.

SOMETHING TO THINK ABOUT:-

"Life does not consist mainly — or even largely — of facts and happenings. It consists mainly of the storm of thoughts that is forever blowing through one's head." Mark Twain.

"S" Point Applications

Skulemen, now is the time to fillout application forms for "S" letters. These forms are available in the stores and in folders. Deadline for acceptance of these pins is Feb. 1.

Men who have sufficient points to receive their "S" or are in line for any other award for participation in Skule Sports, are entitled to complimentary tickets to the "S" dance; so if anyone wants to

take advantage of this terrific offer of going to one of Skules' biggest bashes without paying, fill out an application form and turn it into the Engineering or Athletic Stores.

Those Skulemen who are not acquainted with the "S" point system should consult their copies of the Athletic Constitution, or refer to a copy in the Athletic Stores.

volleyball

Congratulations are in order to Bob Parnes and his Senior Skule Volleyball team, who captured the Victoria Staff Cup for the umpteenth straight year with a decisive victory over Law, taking three straight sets in the final.

Honourable mention also goes to the six minor teams who won five games between them.

LEVER BROTHERS LTD.

Invites applications from prospective Graduates in **MECHANICAL, CHEMICAL or CIVIL ENGINEERING** for positions as **DESIGN ENGINEERS**.

We prefer men with imagination who can advance to positions of responsibility in the Engineering Department.

The Canadian Company is a part of a world-wide organization and a leader in its many fields of operation.

Successful applicants will be given a short training period before being assigned.

These positions are permanent, and provide Extensive Benefit Plans and attractive remuneration. To the right person, they can offer almost unlimited scope.

A representative from the company will be on the Campus to interview applicants on 18TH JANUARY 1963.

Norton Company

Research and Development Department

CHIPPWA, ONTARIO

HAS VACANCIES AS FOLLOWS:

Mathematician

A graduate of a specialized course of mathematics

Engineering Physicist

A graduate in Engineering Physics or Maths and Physics is required by the Physics Group for research in applied physics including solid state physics.

Chemical or Metallurgical Engineers

A graduate in chemical or metallurgical engineering is required for research and development of high temperature materials.

INTERVIEWS WILL BE CONDUCTED ON SATURDAY, JANUARY 19, 1963 AS ARRANGED BY YOUR PLACEMENT SERVICE.

Brochures are on file in Department Libraries.

sportoike

By BOB CARMICHAEL

The start of the New Year heralds the commencement of the Spring academic term, with its associated program for athletics in the Faculty. Preparations are now underway for intramural competition in water-polo, major and minor league basketball and hockey continuance, and several individual sports such as the ten-meet Indoor track season. Although Sr. Skule Basketball may not be as strong as in former years, our top teams in Hockey and Waterpolo should be challenging for the silverware.

Sr. Skule Soccer defeated St. Michael's for the Arts Faculty Cup in a keenly-contested series last fall, and late in the term SPS I continued their mastery of lesser specimens in Volleyball with a convincing defeat of law. The football season resulted in the poorest showing in many years for Skule, with neither team qualifying for the play-offs. The advisability of maintaining two teams is being discussed, and the attendant cost and division of talent may result in only one Faculty team next year.

Lacrosse did not experience the turnout expected, and it would appear that the only method whereby S.P.S. will become a concerted drive to interest Freshmen in it. Although hampered by insufficient numbers to qualify for the team championship, Skule placed men second and third in the competition for Individual Champion in the Track Championships held early in the fall.

Overall, S.P.S. is in fourth position in the first division in the Reed Trophy standing, computed as of Christmas. Our usual success in spring sports and quantity of participation should draw us within reach of the leaders.

The large trophy case to be constructed and installed in the lounge in the Galbraith building has been tendered and should be ready for use within five weeks. When completed, it will house the many major trophies and awards presented each year in the Faculty, as well as representative awards given to the dozens of award-winners we have each year. These awards (a complete list of which may be seen in the Revised Constitution) are presented at the Annual "S" Dance and Awards night, to be held this year on February 21st at the Embassy Club on Bloor Street. It is at this event that the players, managers, coaches, girls, staff, girls, students and girls gather to review the preceding year's activities, accomplishments, girls, and defeats.

Publicity will be up shortly advertising the types of awards available, and requesting application be made for them. Athletic letters (cloth S and Bronze S) in particular, must be applied for by the start of February. Pete Casson is the man to contact concerning them.

With many sports having drawn to a close, and others to do so at the end of the Spring term, a word concerning equipment returns might be appropriate. Each year there are a number of students who, having borrowed equipment from the Athletic Stores, vanish into the twilight. All loaned equipment must be returned before the end of term so that it can be cleaned and repaired for use by students next year. It is particularly important in the case of equipment which is used by more than one sport, such as hockey gloves for lacrosse and hockey. Those of your fellow-students who are responsible for the returns are not wont to search the tardy students out during their own final examinations, and so the Faculty Council is informed. If the equipment and supplies are not accounted for by the start of examinations, the delinquent student's marks and results are withheld by edict of the Council, until return is effected. A word to the wise should suffice.

minor basketball

This year's minor league commenced on January 7th, 1963. It consists of teams from all faculties and sixteen of the teams are from S.P.S.

The league is divided into seven divisions according to experience. Generally, each faculty is represented in each division — that is, the sixteen S.P.S. teams would be fitted into these seven divisions.

Last year when the division winners played off, S.P.S. took

first place.

The teams that default one game will be dropped from the league.

For specific information on individual team lists see the bulletin board opposite the Engineering Stores.

Team managers are reminded that it is imperative that they hand in their team lists to the Intramural office in Hart House immediately.

"S" Dance Feb. 21

The Faculty of Applied Science's annual "S" dance is being held this year in the exotic Palm Room of the Embassy Club on Thursday, February 21. This dance is one of the big social events of the school year and should be attended by as many Skulemen as possible. Besides the great social atmosphere, one of the features of the night is the presentation of awards to Skule's athletes. It might be helpful here to list the types of awards a person can win and how to go about applying for these awards.

The award that applies to most Skulemen is the "S" colour. These colours are awarded to Skulemen in their second, third, or fourth year at S.P.S. who have been credited with 15 or more "S" points during their years at school. However, in order to receive one of these awards, the person concerned must file an

application for the "S" colour. Application slips are available at the Athletic store and will be available from folders posted on the notice boards. These applications must be filled out and returned to the Athletic Stores by February 1st. Also those men in 4th year who have obtained 40 or more "S" points should apply for their bronze "S" in the same manner.

There are also numerous special awards. Achievement steins are given to each member of a championship team in a minor sport. Engraved pen sets are given to winners of event in tournament-type sports and steins are awarded to those who post three wins in a tournament-type sports. Coaches and managers keys are also awarded, but must be applied for. Other special awards are the special bronze "S" awarded to the member of fourth year who has made the

greatest contribution to skule athletics, and the J. R. Tilly Trophy, the professor W. of P. Wright trophy, and the class of ZTI Trophy are awarded to the outstanding athletics in first, second and third years respectively. The Phene Memorial Trophy and the Banhour Memorial Trophy are awarded to outstanding players on the senior and junior Rugby teams; the R. H. Perry Trophy to the track team remember who gets the most Reed points for Skule; the chancellor Cody Memorial Trophy to the outstanding engineering hockey player; and the Engineering Society Trophy to the outstanding basketball player in 6 T.2.

With this formidable line of silverware up for grabs, let's see everybody out to the "S" dance to pick up their loot, or see their classmate who beat them, out to pick up the silverware.

SKULE ON ICE

S.P.S. hockey teams completed the old year with their usual nerve and are looking forward to a rosy new year in interfaculty hockey. Sr. S.P.S. proclaimed itself to be the best team in the league with two rousing wins. Against Vic I, the Skulemen exhibited good defence, balanced lines, and vigorous spirit to win 5-3. Scorers were Steve Wilson, Keith Bowen, Noel Nightingale and Manager Harry Kirwin with two. John Killop excelled in goal. In their next game against P.H.E. I, the players showed that they could play with the roughest, and still win. The score in this game was 5-3 with Heath, Fraser, Kirwin, Simpson and

Nightingale scoring for the winners.

Also in the interfaculty league, Jr. S.P.S. has not done quite as well as its big brother. In a game against Vic II, which even the referees boycotted, the Engineers lost 7-2 with Seely and Howard getting the goals. Although they scored more goals than ever before in their next game, when Seely, Mills and Bates tallied, they still lost to Dents A 4-3. Thus, Sr. S.P.S. seems assured of a good season while Jr. S.P.S. seems farther behind than the street cleaner in the Shriners' Parade.

In minor league hockey, S.P.S. V dominated in their

game against Meds III but still lost when Meds scored on their infrequent but good opportunities. Scorers in the 4-3 loss were Jim Guine, John Ireland and Don Dmytriw. S.P.S. VI also dropped their game to Trin D with Singer and Tompison registering for the losers. S.P.S. VII, however, vanquished Vic VIII 3-1 when Knowles marked up the first Skule hat-trick this season. This was not a typical Vic-S.P.S. game, inasmuch as the surreptitious Vic methods were finally observed by the omnipresent officials, and Vic received all the penalties. Meanwhile, S.P.S. VIII lost their game against Vic IX by the score of 3-0.

Why Should I Join THE ENGINEERING INSTITUTE OF CANADA As a Student Member?

- To establish an association with the only technical society which is Canada wide and for all branches of Engineering.
- To receive the monthly publication "The Engineering Journal" and meeting notices for the Toronto branch.
- To enjoy the full benefit of the many member services such as the technical library, employment service and professional development programme.

The total cost is only \$3.00 per year with no initiation fee and no transfer fee when eligible for Associate Membership. Application forms are available at the Engineering Stores or from the E. I. C. faculty advisor, Prof. A. C. Davidson Room 124 Galbraith Bldg.